

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1 – 11. (CANCELED)

12. (CURRENTLY AMENDED) A method for ~~enhancing~~ increasing the sucrose content and/or ascorbic acid content of fruits of a plant of the genus *Capsicum*, the method ~~comprising manipulating the CL and the Y loci such that said CL and Y loci comprise two recessive y alleles and two recessive cl alleles which results in enhanced sucrose content and/or ascorbic acid content~~ comprising:
- a. obtaining a first parent plant of the genus *Capsicum* having an allele with a deletion, rearrangement or mutation in the enzyme capsanthin-capsorubin synthase resulting in an absence of a red color component;
 - b. obtaining a second parent plant of the genus *Capsicum* having a recessive cl allele;
 - c. crossing said first and second parent plants to produce at least one plant of the genus *Capsicum* having two alleles with a deletion, rearrangement or mutation in the enzyme capsanthin-capsorubin synthase resulting in an absence of a red color component in combination with two recessive cl alleles, said at least one plant having ripe green fruit with enhanced increased sucrose content and/or ascorbic acid content.
13. (CANCELED)
14. (CURRENTLY AMENDED) The method according to ~~claim 13~~ claim 12, wherein the y allele ~~said first parent plant~~ is obtained from a plant selected from the group consisting of *Capsicum annuum*, *Capsicum baccatum*, *Capsicum frutescens*, *Capsicum chinense*, and *Capsicum chacoense*.
15. (CURRENTLY AMENDED) The method according to ~~claim 13~~ claim 12, wherein the y allele ~~said first parent plant~~ is obtained from *Capsicum annuum*.

16. (CURRENTLY AMENDED) The method according to ~~claim 13~~ claim 12, wherein the recessive *cl* allele is obtained from a plant selected from the group consisting of *Capsicum annuum*, *Capsicum baccatum*, *Capsicum frutescens*, *Capsicum chinense*, and *Capsicum chacoense*.
17. (CURRENTLY AMENDED) The method according to ~~claim 13~~ claim 12, wherein the recessive *cl* allele is obtained from *Capsicum annuum*.
18. (CURRENTLY AMENDED) The method according to claim 12, wherein said sucrose content is between 1.5 times and 2.85 times higher than the sucrose content of green ~~immature~~ mature fruits of a plant of the genus *Capsicum*, said ~~green-immature~~ mature fruits having at least one *CL* allele and at least one *Y* allele.
19. (PREVIOUSLY PRESENTED) The method according to claim 18, wherein said sucrose content is between 5.4 grams and 6.2 grams per kilogram fresh weight.
20. (PREVIOUSLY PRESENTED) The method according to claim 18, wherein said sucrose content is between 6.2 grams and 6.6 grams per kilogram fresh weight.
21. (PREVIOUSLY PRESENTED) The method according to claim 18, wherein said sucrose content is between 6.6 grams and 7.1 grams per kilogram fresh weight.
22. (CANCELED)
23. (CURRENTLY AMENDED) The method according to claim 12, wherein the ascorbic acid content is between 1.3 times and 1.73 times higher than the ascorbic acid content in ~~green-immature~~ mature fruits of a plant of the genus *Capsicum*, said ~~green-immature~~ mature fruits having at least one dominant *CL* allele and at least one ~~*Y*-allele~~ capsanthin-capsorubin synthase resulting in a red color component.
24. (PREVIOUSLY PRESENTED) The method according to claim 23, wherein said ascorbic acid content is between 2.1 grams and 2.22 grams per kilogram fresh weight.
25. (PREVIOUSLY PRESENTED) The method according to claim 23, wherein said ascorbic acid content is between 2.22 grams and 2.4 grams per kilogram fresh weight.
26. (PREVIOUSLY PRESENTED) The method according to claim 23, wherein said ascorbic acid content is between 2.4 grams and 2.5 grams per kilogram fresh weight.
- 27.-28. (CANCELED)

29. (CURRENTLY AMENDED) ~~A method for increasing the sucrose content and the ascorbic acid content of fruits of a plant of the genus *Capsicum*, comprising manipulating the CL and the Y loci to provide two recessive γ alleles and two recessive cl alleles~~ The method of claim 12, wherein the sucrose content is increased to between 1.5 times and 2.85 times higher and wherein the ascorbic acid content is increased to between 1.3 times and 1.73 times higher than the sucrose content and the ascorbic acid content of ~~green~~ immature mature fruits of a plant of the genus *Capsicum*, said ~~green-immature~~ mature fruits having at least one dominant CL allele and at least one γ allele capsanthin-capsorubin synthase resulting in a red color component.
30. (CANCELED)
31. (PREVIOUSLY PRESENTED) The method of claim 29, wherein the sucrose content is increased to between 5.4 grams and 7.1 grams per kilogram fresh weight, and the ascorbic acid content is increased to between 2.1 grams and 2.5 grams per kilogram fresh weight.